

FIG. 1

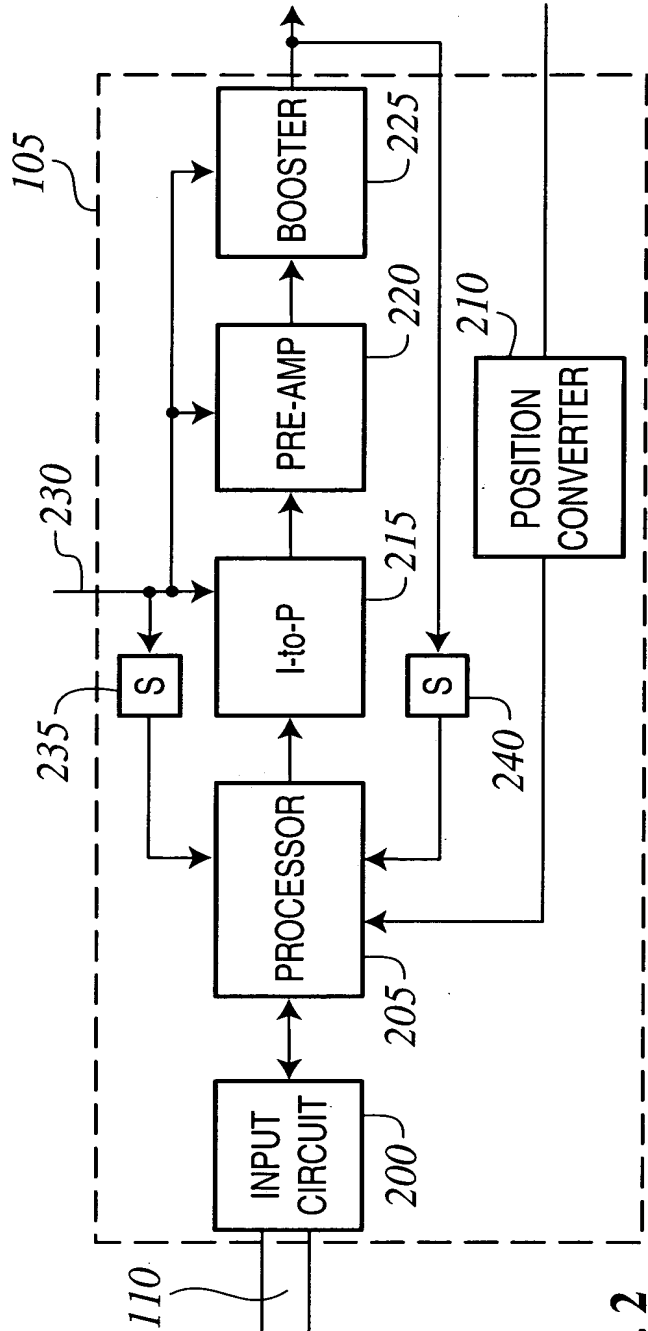


FIG. 2

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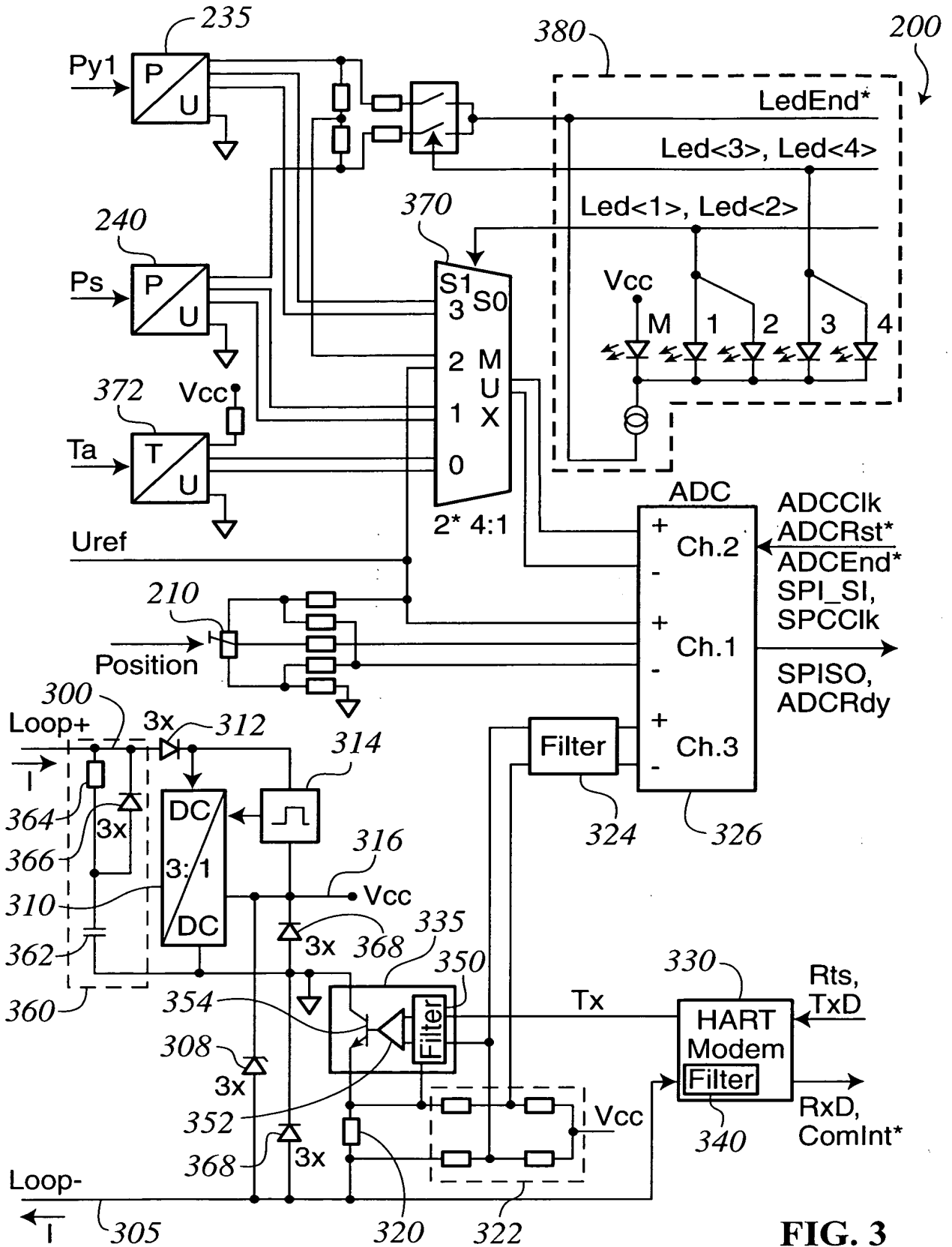
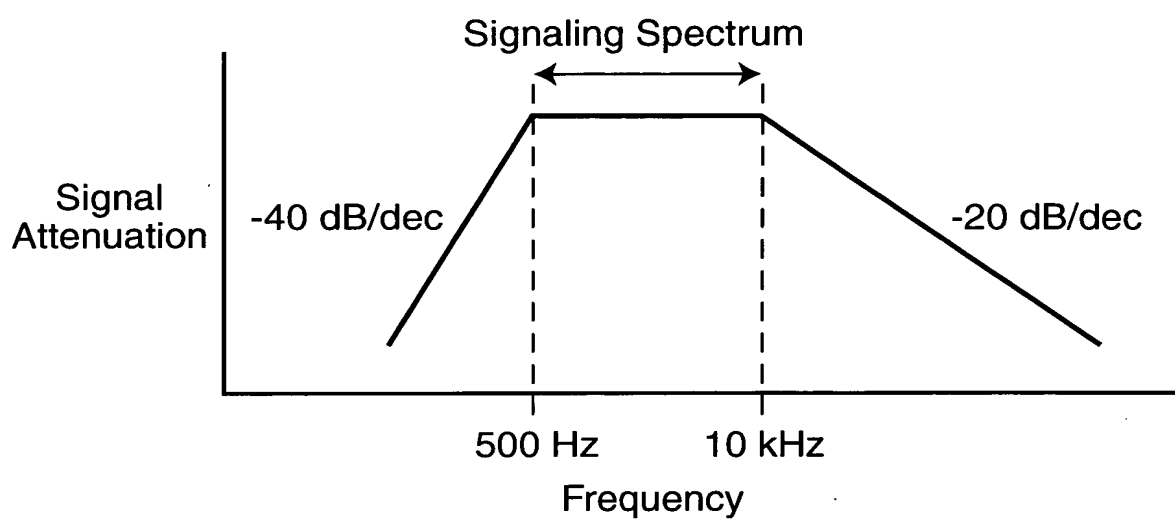


FIG. 3



**FIG. 4**



**FIG. 5a**



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$$U_{max} = 6.3 + 2 + 0.55 \text{ V} = 8.2 \text{ V}$$

$$I_{max} = 390 \text{ mA}$$

$$p_{MAX} = 8.9 \text{ m}$$

$$CA. 13 \text{ uF}$$

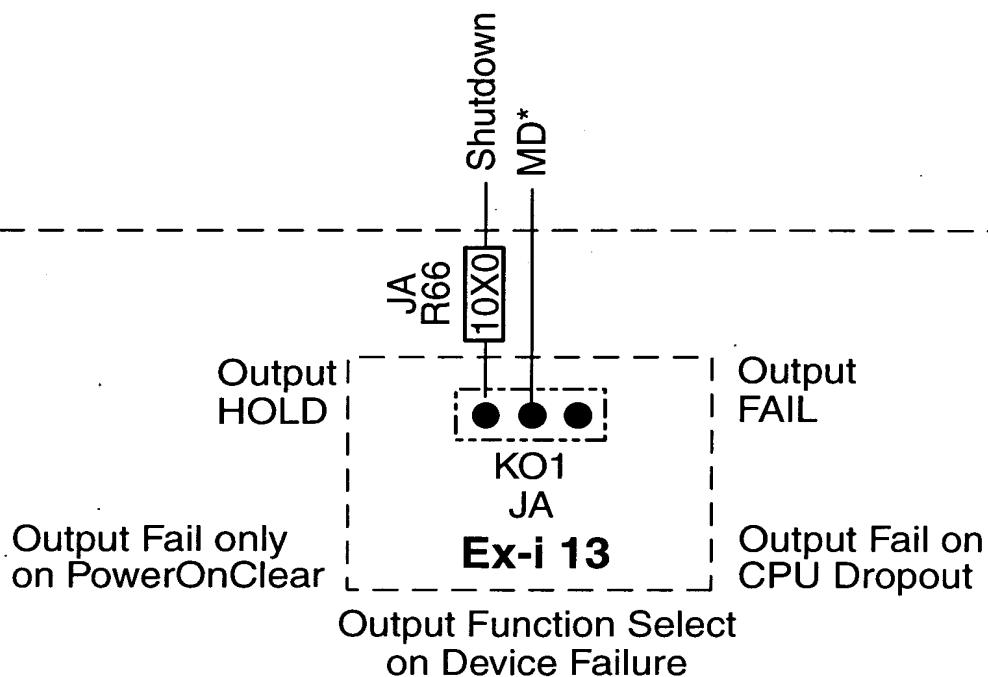
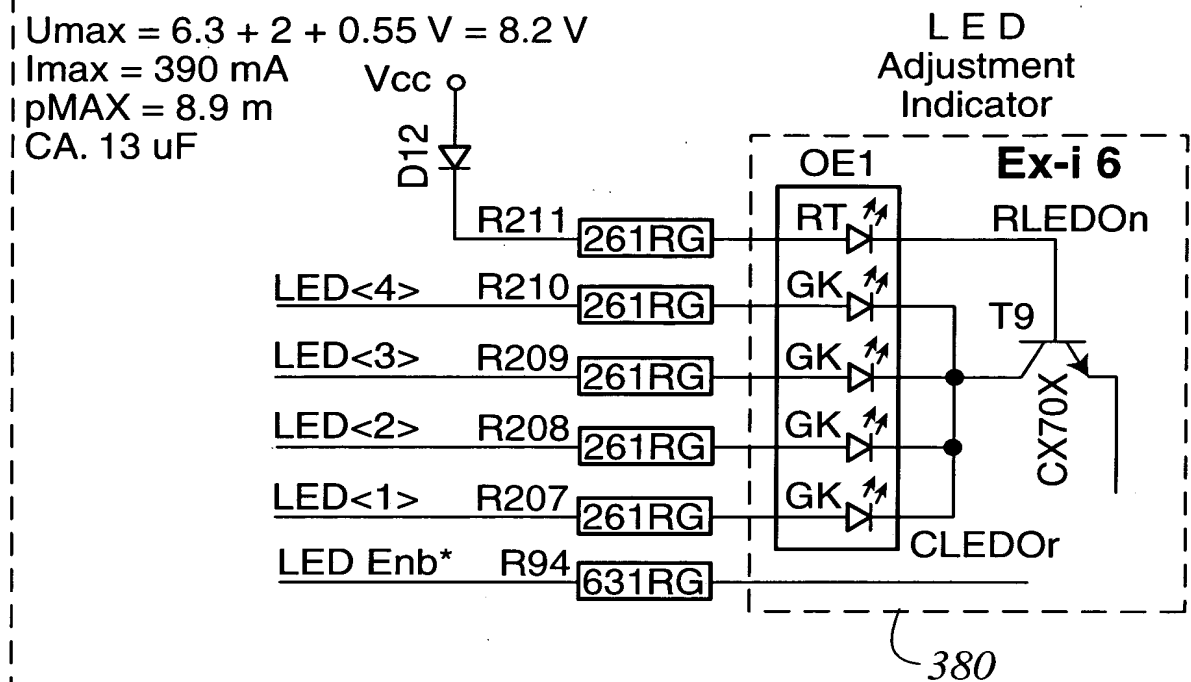


FIG. 5c

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## Terminatorfield

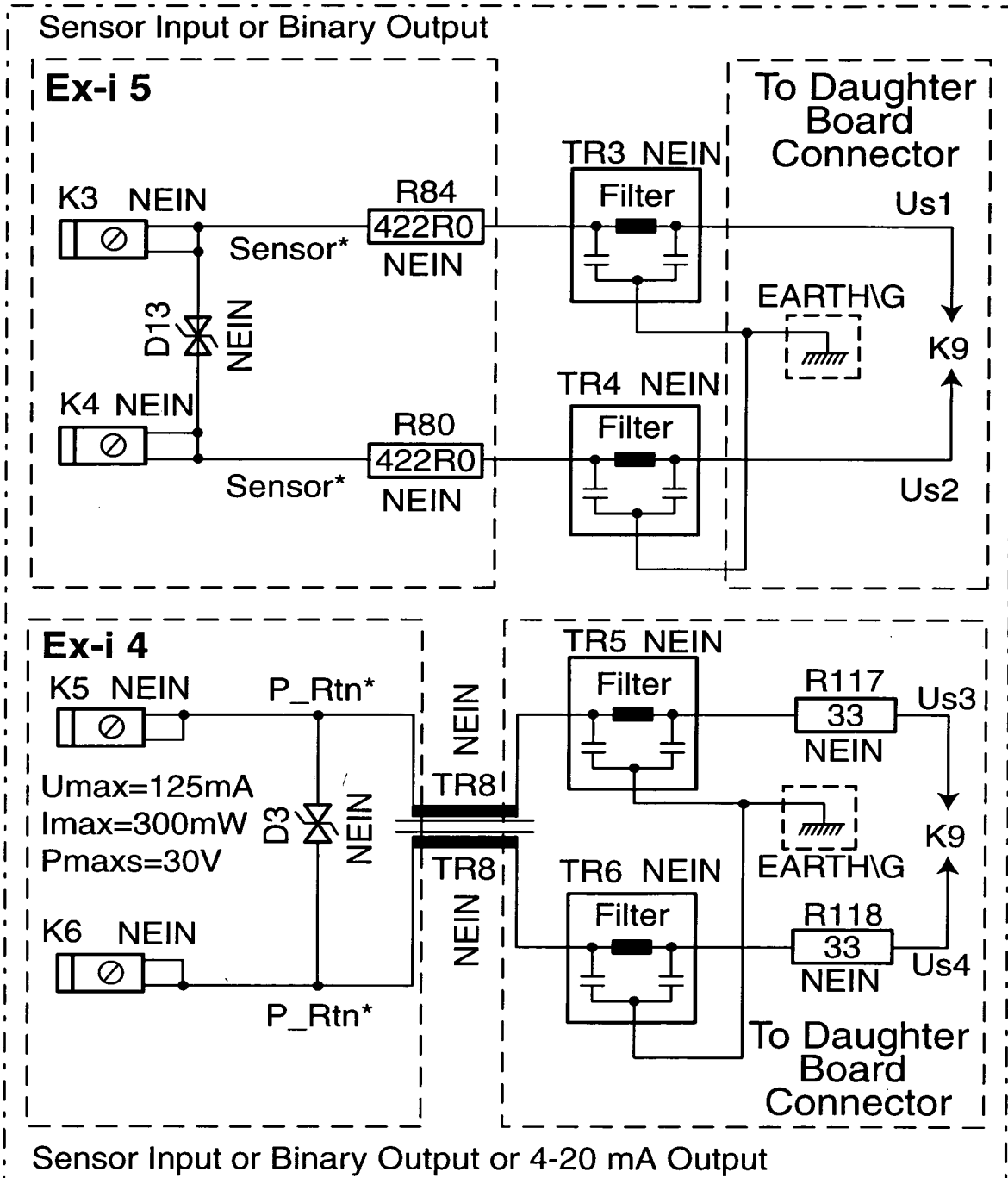
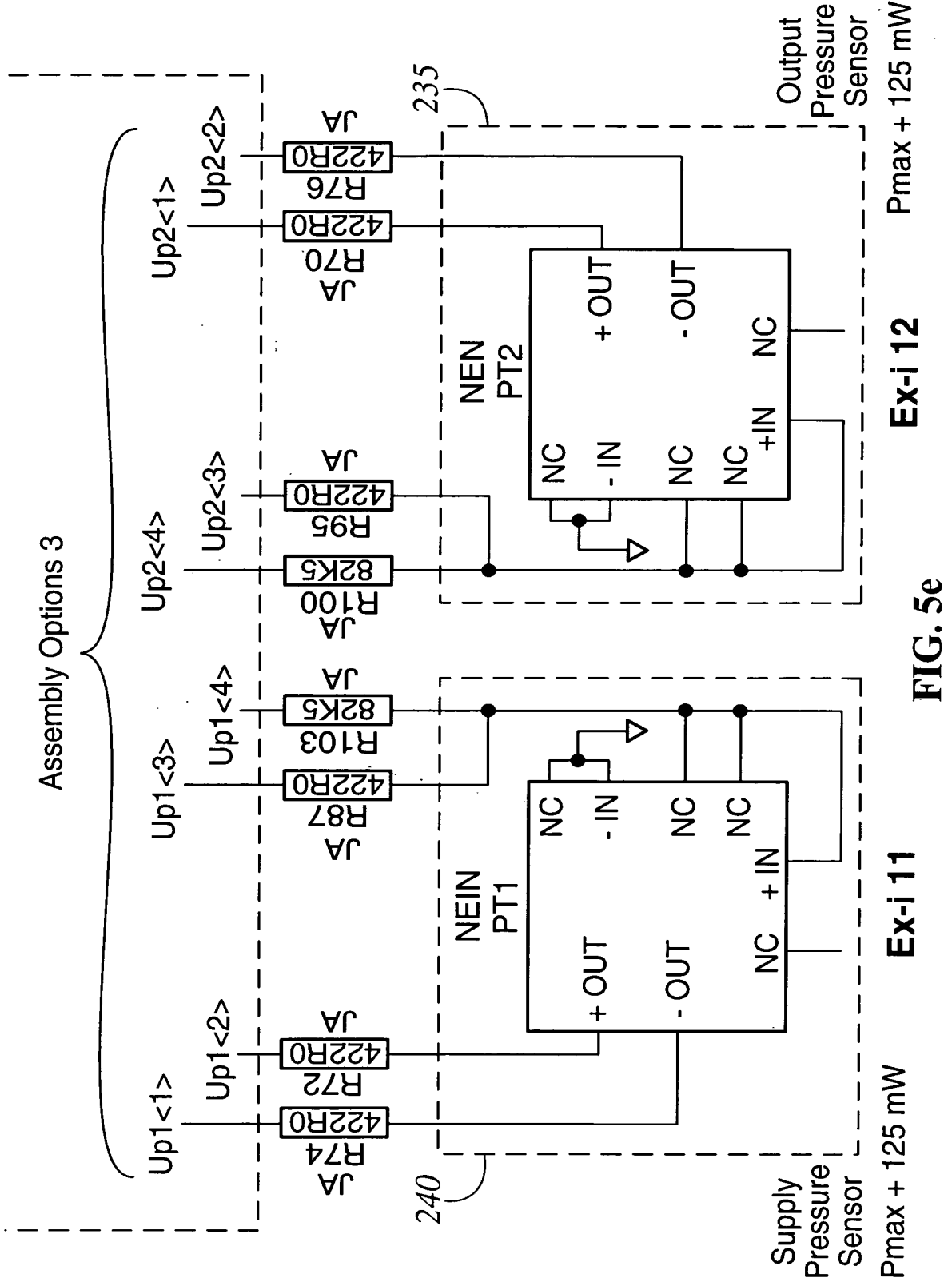


FIG. 5d

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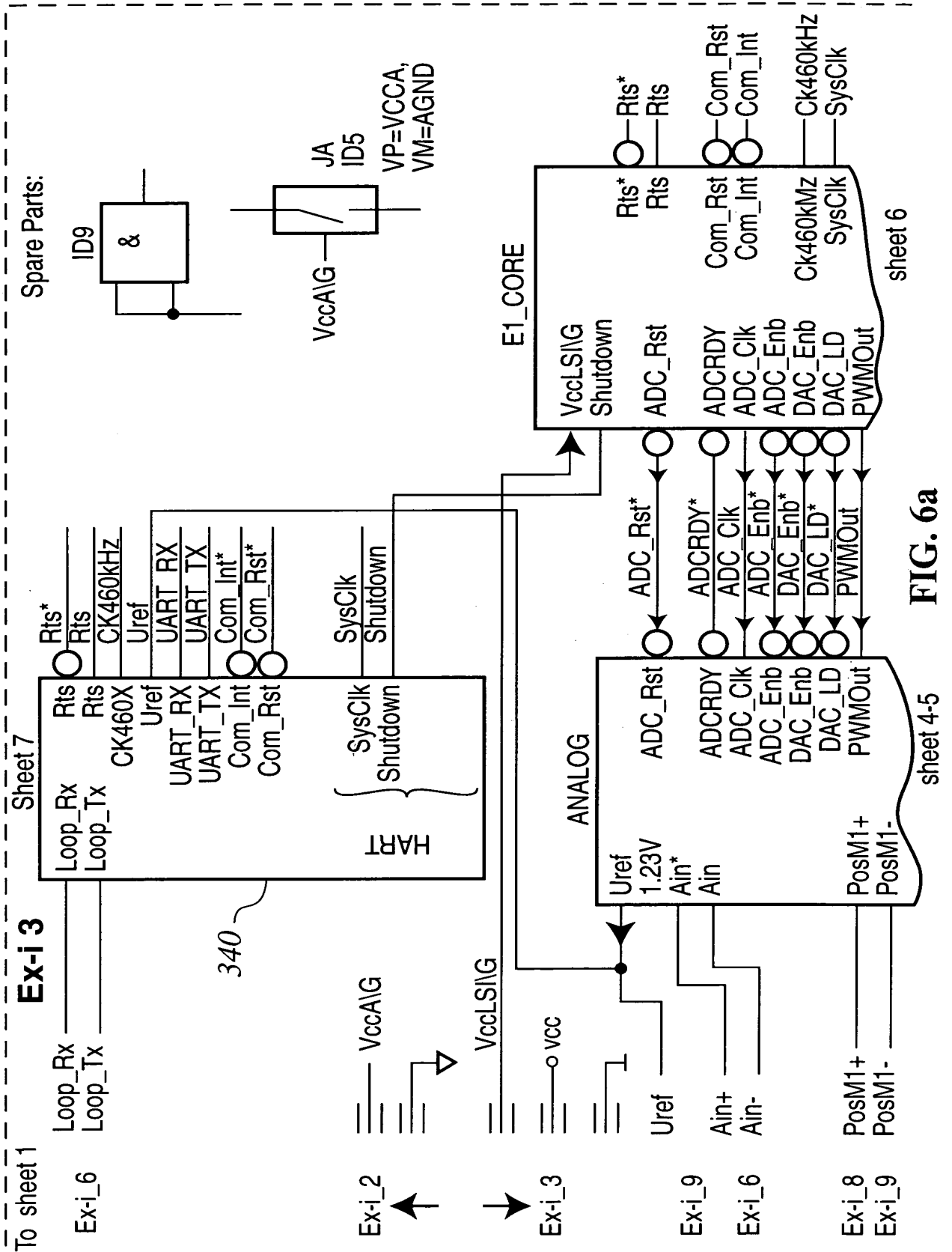
Ex-i 12

Ex-i 11

FIG. 5e



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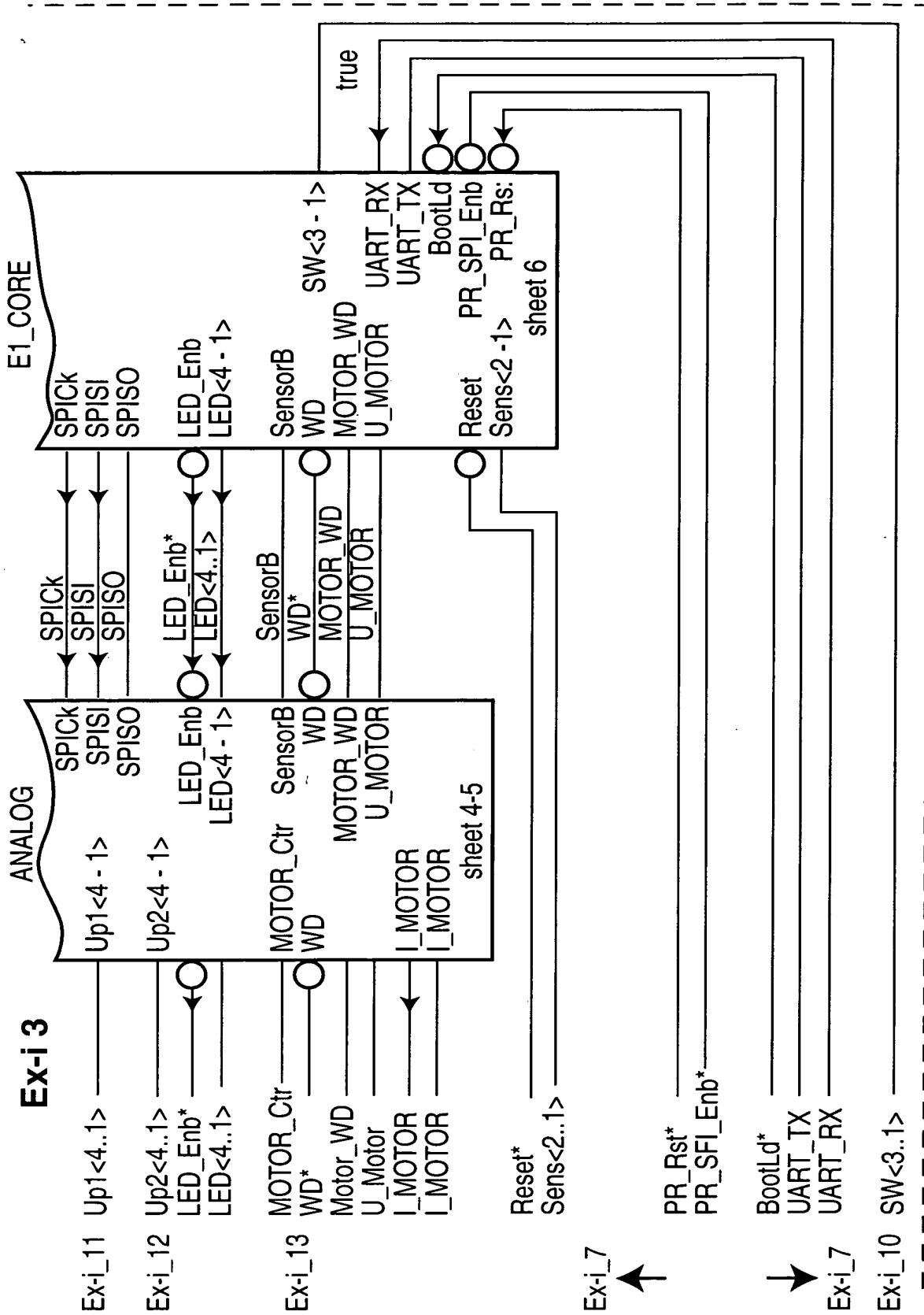


FIG. 6b



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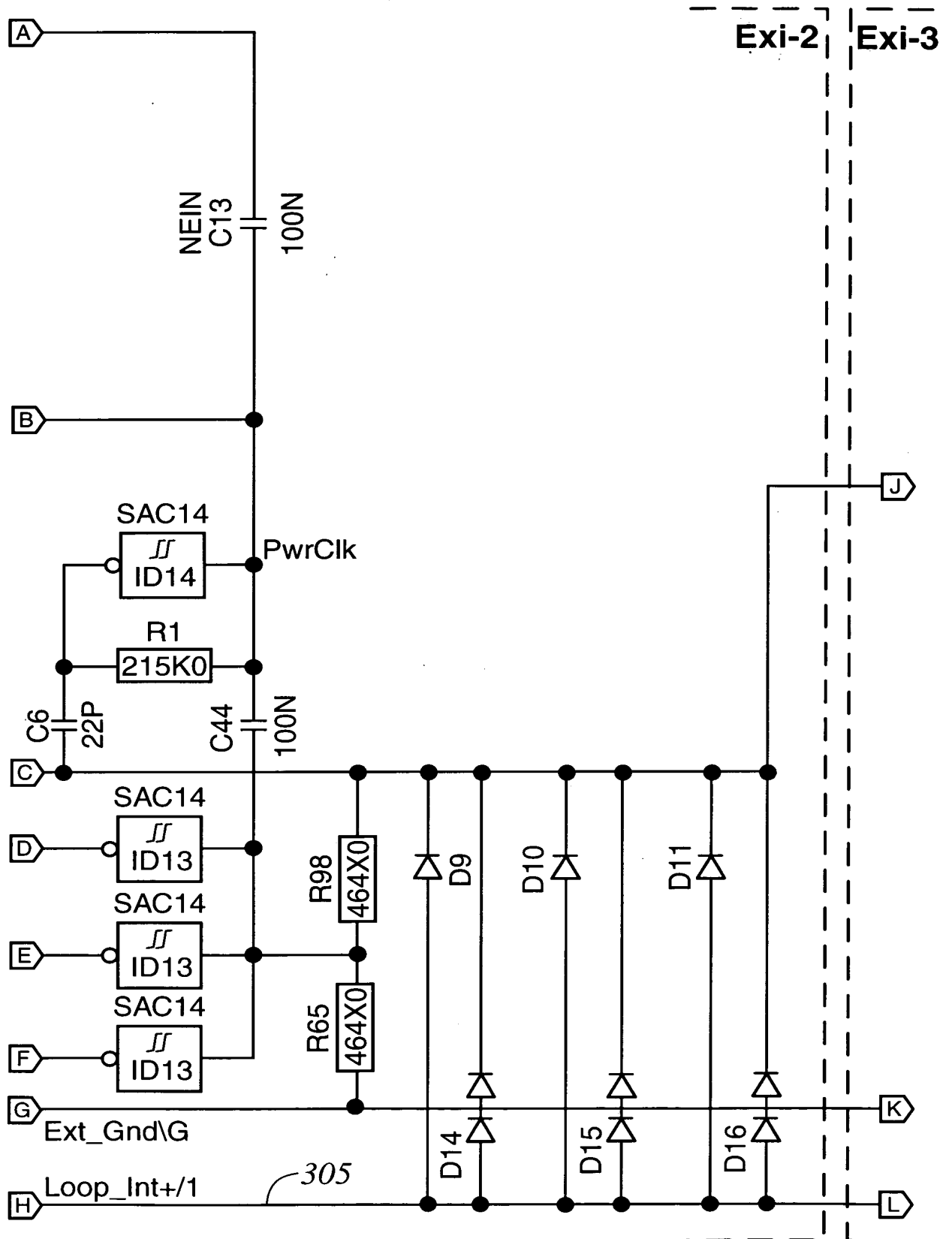
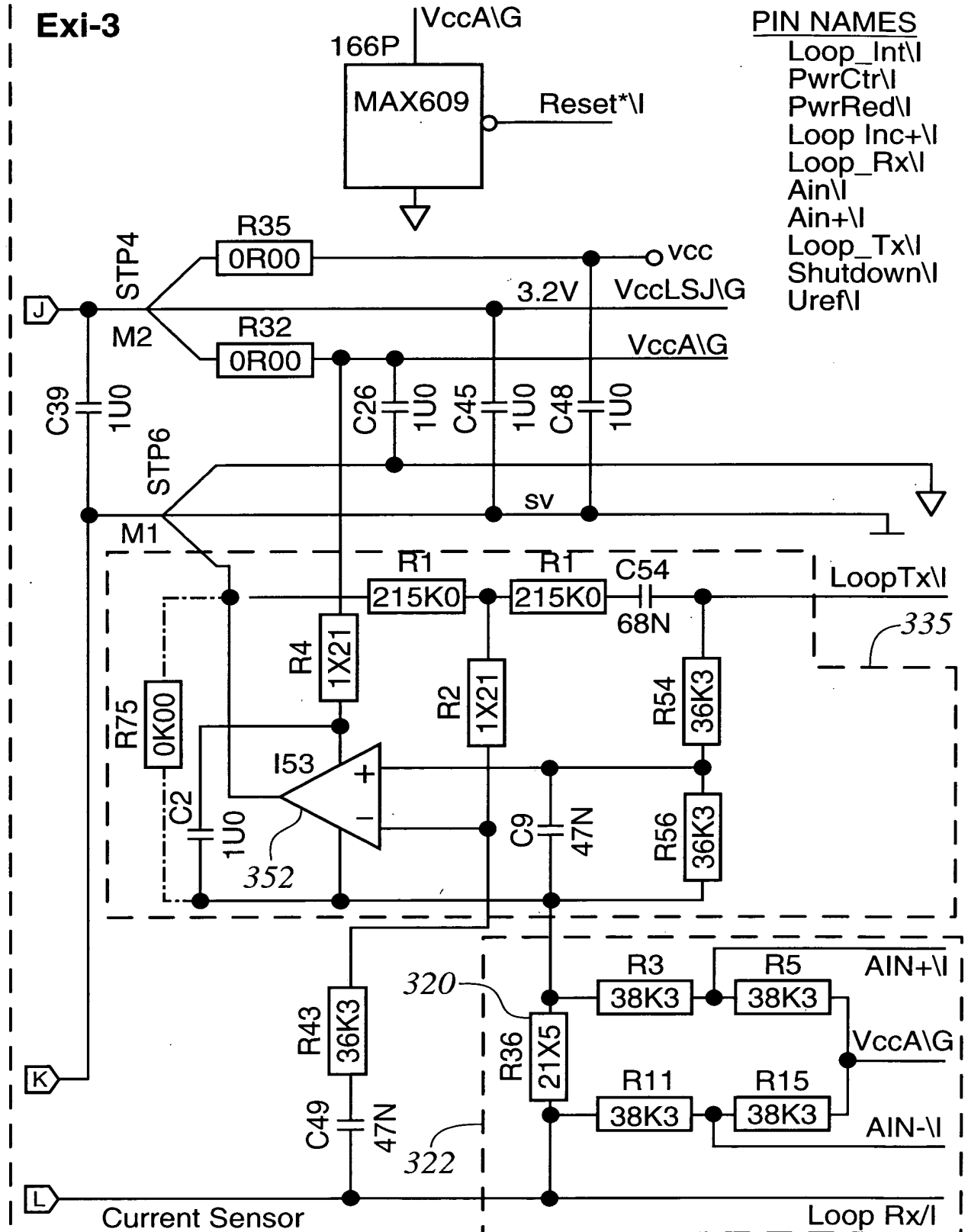


FIG. 7b

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**FIG. 7c**

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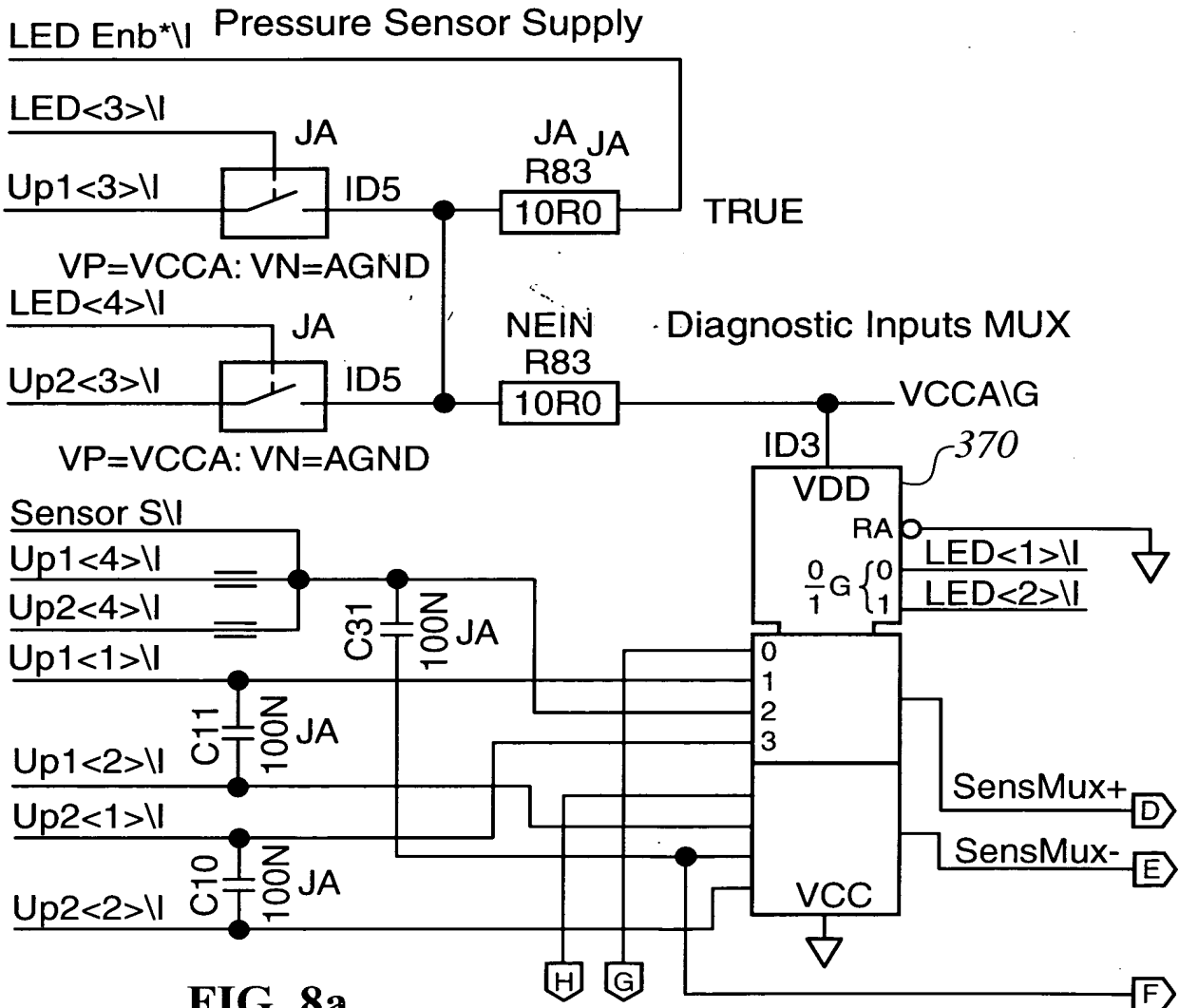
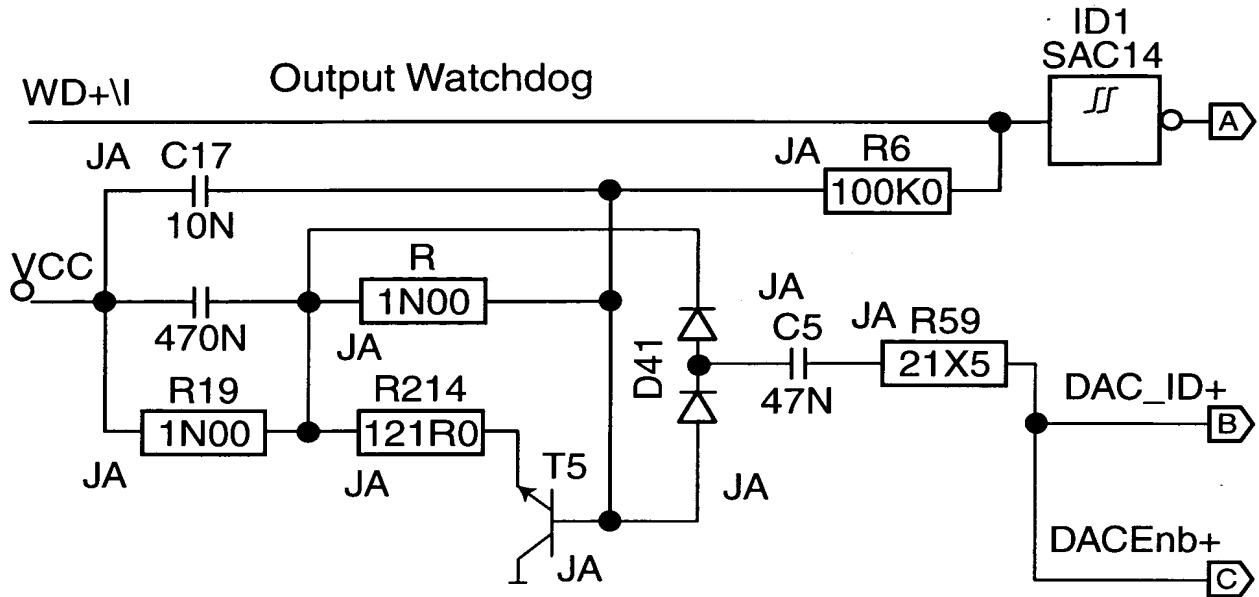


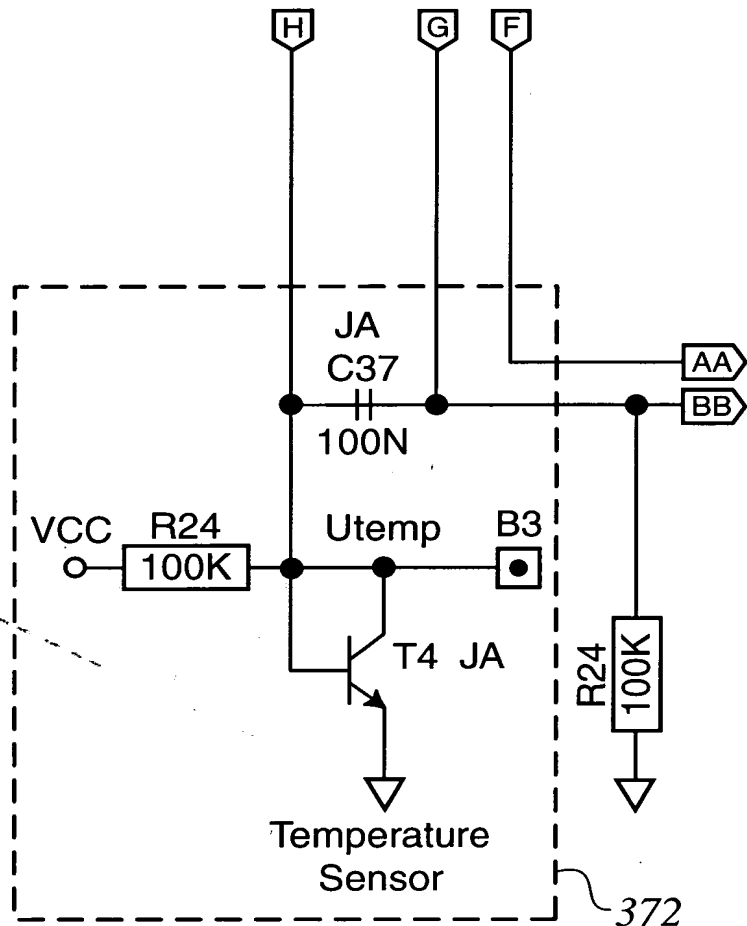
FIG. 8a





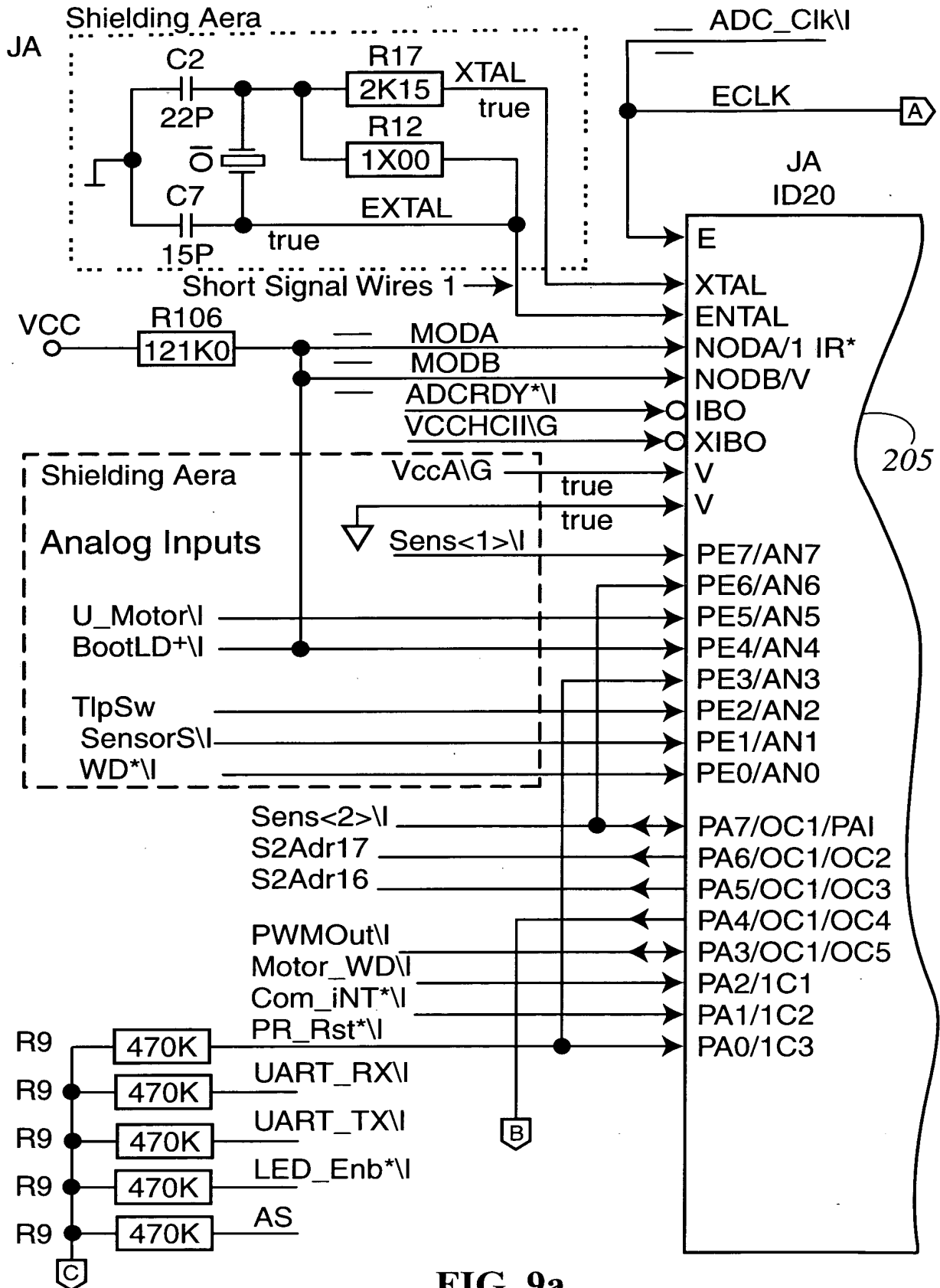


I\_Motor-\|  
I\_Motor\|  
LED\_Enb+\|  
LED\_End+\|  
Motor\_Ctr\|  
U\_Motor\|  
U\_MOTOR\|  
Motor\_WD\|  
Motor\_WD\|  
Sens=S\|  
LED<4..1>\|  
PWMOut\|  
DAC\_LD+\|  
ADCRDY+\|  
ADC\_Rst+\|  
ADC\_CLK\|  
SPISO\|  
SPISIN  
SPICk\|IDACEnb+\|  
ADCEnb+\|  
Up2<4..1>\|  
Up1<4..1>\|  
PosMI-\|  
PosMI+\|  
Ain-\|  
Ain+\|  
MD+\|  
MD+\|  
LED<4..1>\|  
Uref\|



**FIG. 8d**

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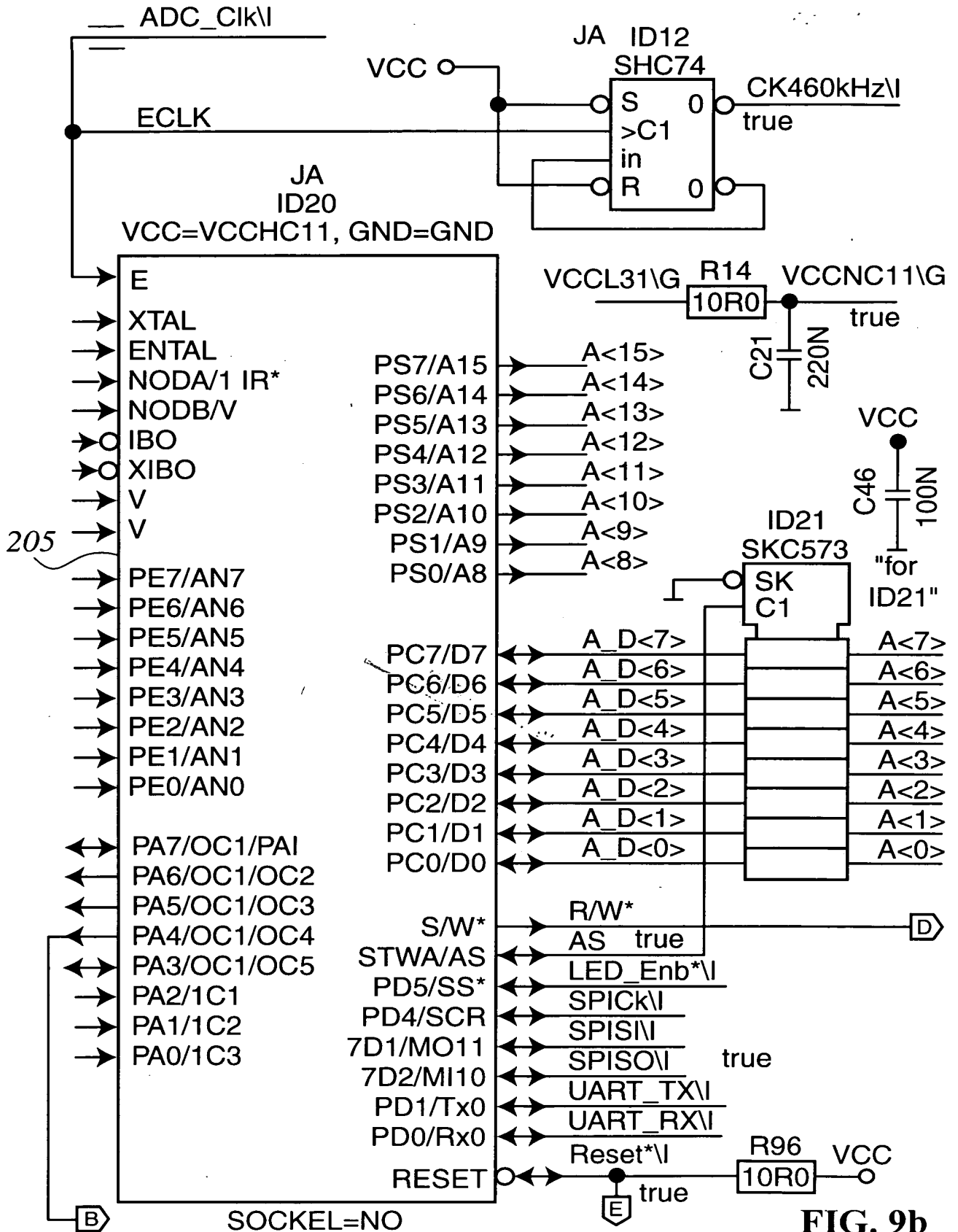


FIG. 9b

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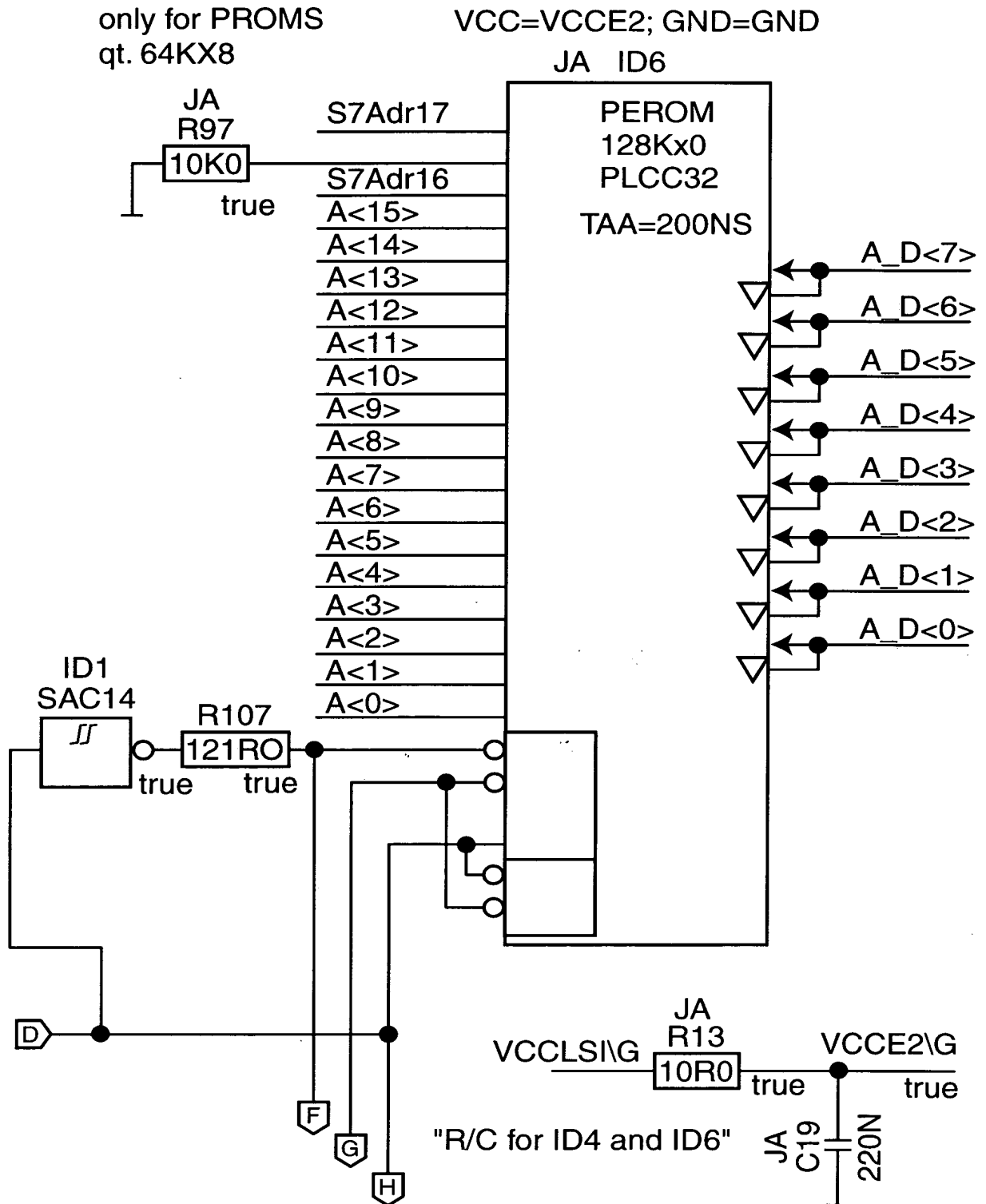


FIG. 9c

# PIN NAMES

Shutdown\I  
 Reset\*\I  
 U\_Motor\I  
 Motor\_WD\I  
 SensorS\I  
 Sens<2..1>\I  
 WD\*\I  
 ADC\_Rst\*\I  
 Rts\*\I  
 Rts\I  
 Com\_Rst\*\I  
 Com\_Int\*\I  
 SW<3..1>\I  
 PR\_Rst\*\I  
 PR\_SPI\_Enb\*\I  
 UART\_TX\I  
 BootLd\*\I  
 UART\_RX\I  
 Ck460kHz\I  
 SysClk\I  
 ADCRDY\*\I  
 ADC\_Clk\I  
 LED\_Enb\*\I  
 LED<4..1>\I  
 PWMOut\I  
 SPICK\I  
 SPIS\I  
 SPISO\I  
 DAC\_LD\*\I  
 DACEnb\*\I  
 ADCEnb\*\I

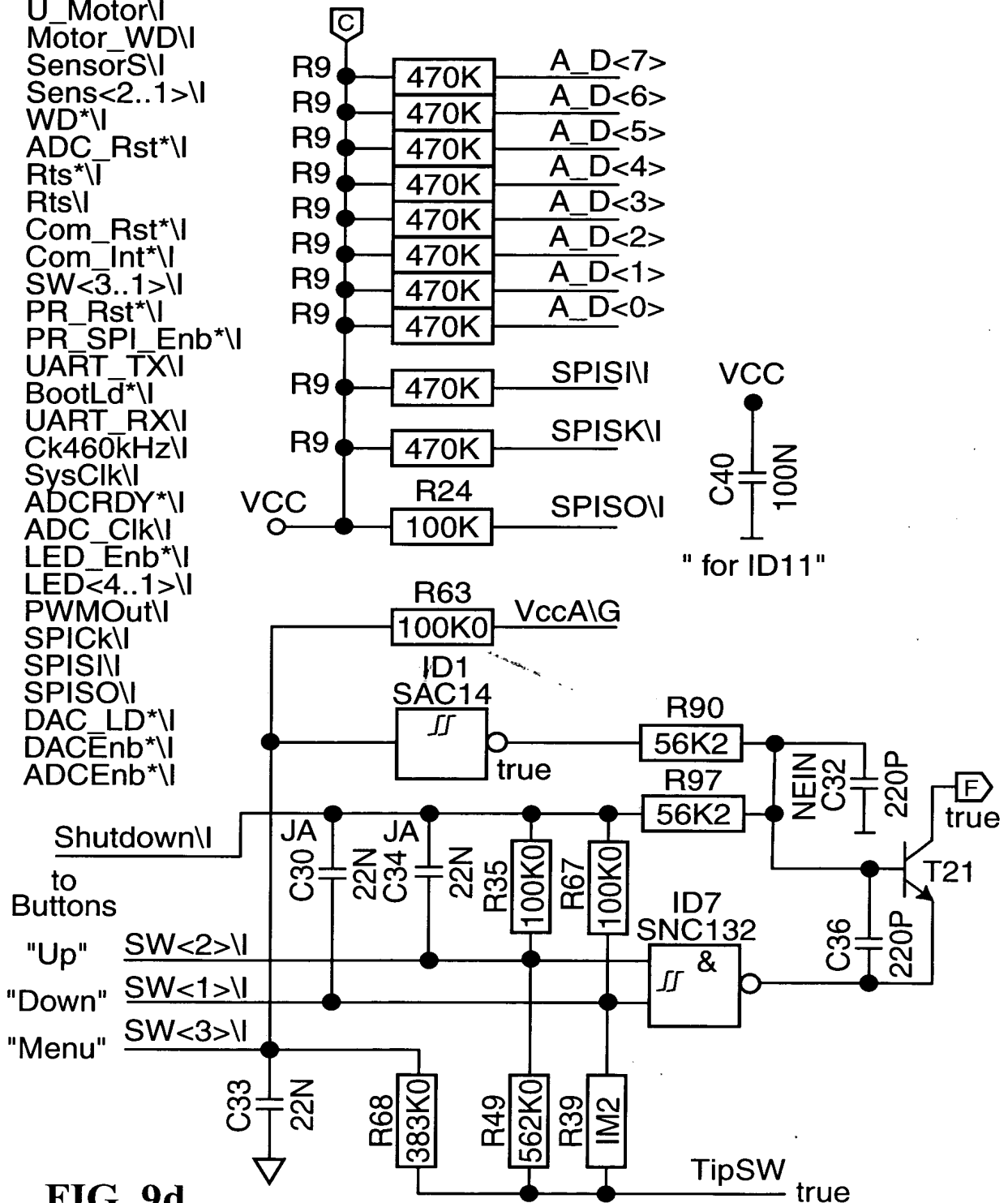


FIG. 9d

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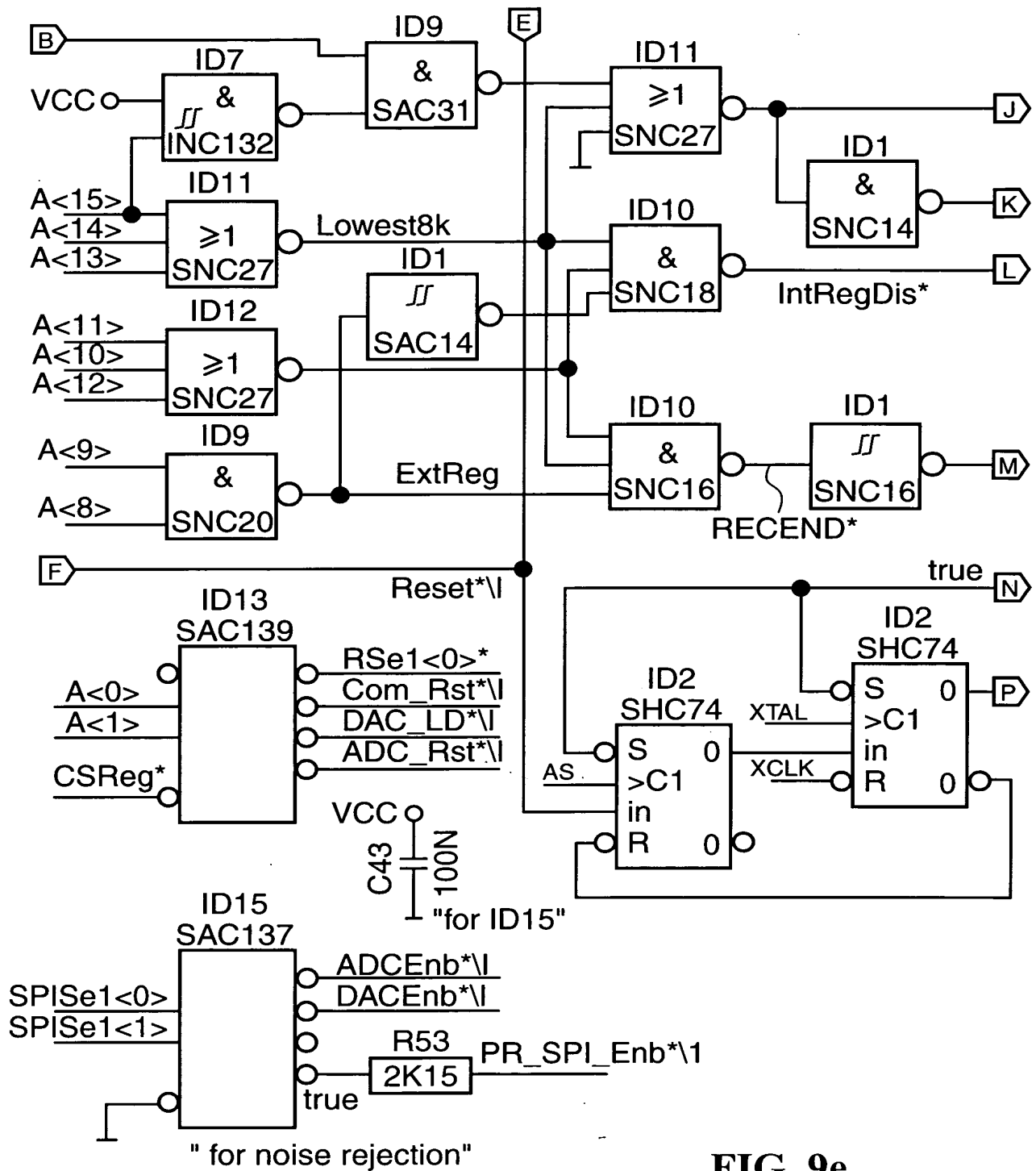
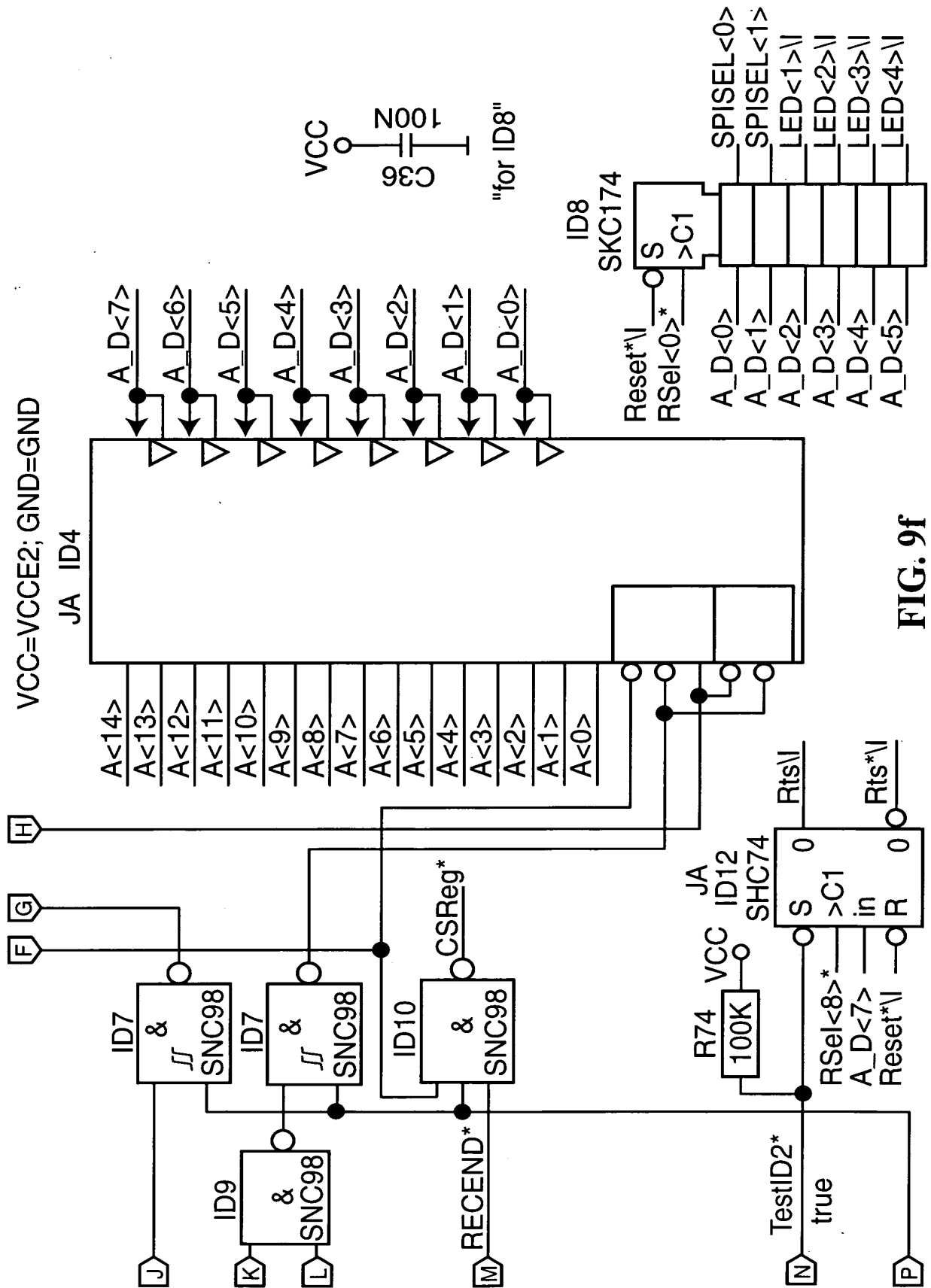


FIG. 9e



**FIG. 9f**

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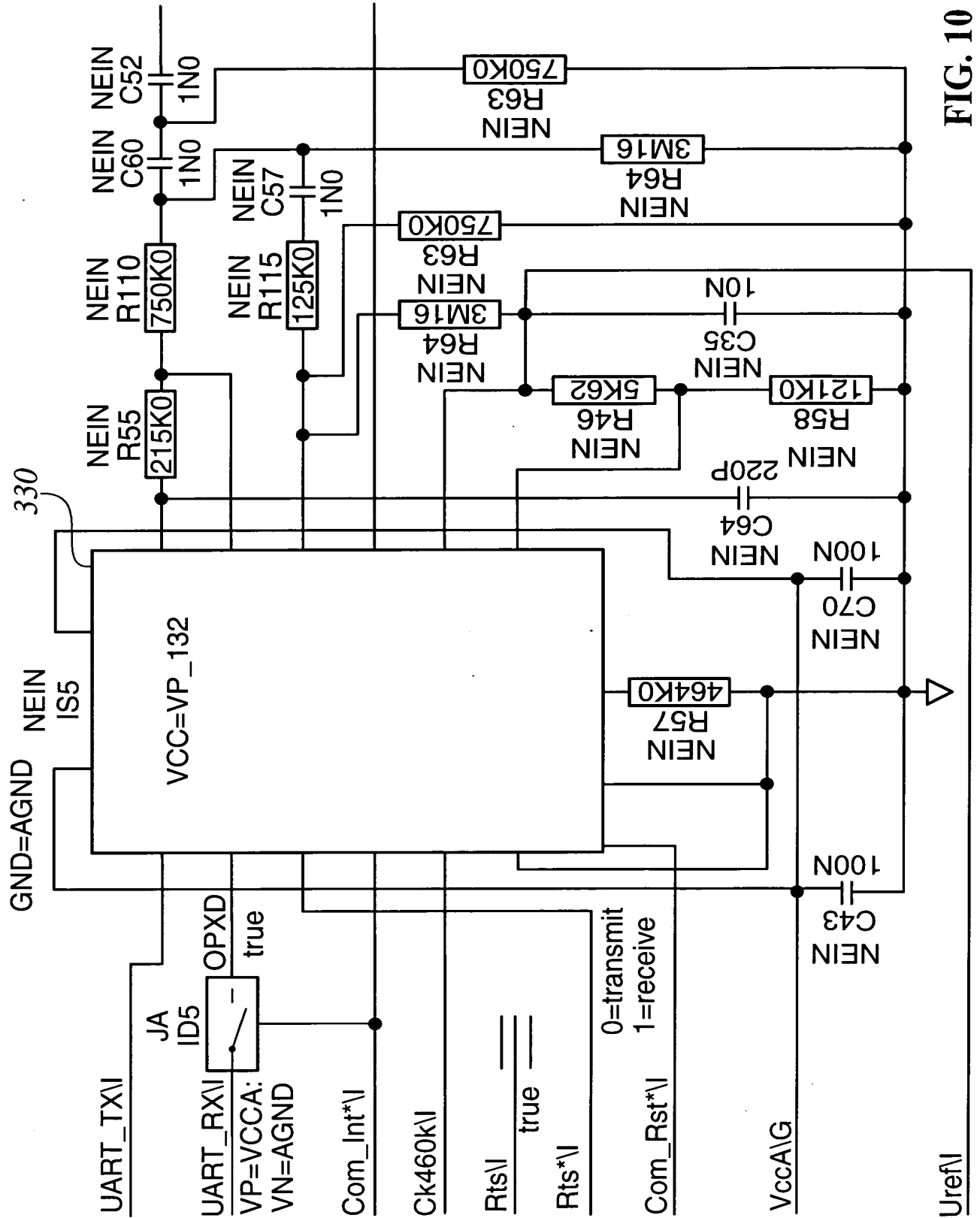


FIG. 10